



JMPS External Systems

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17 July 2002

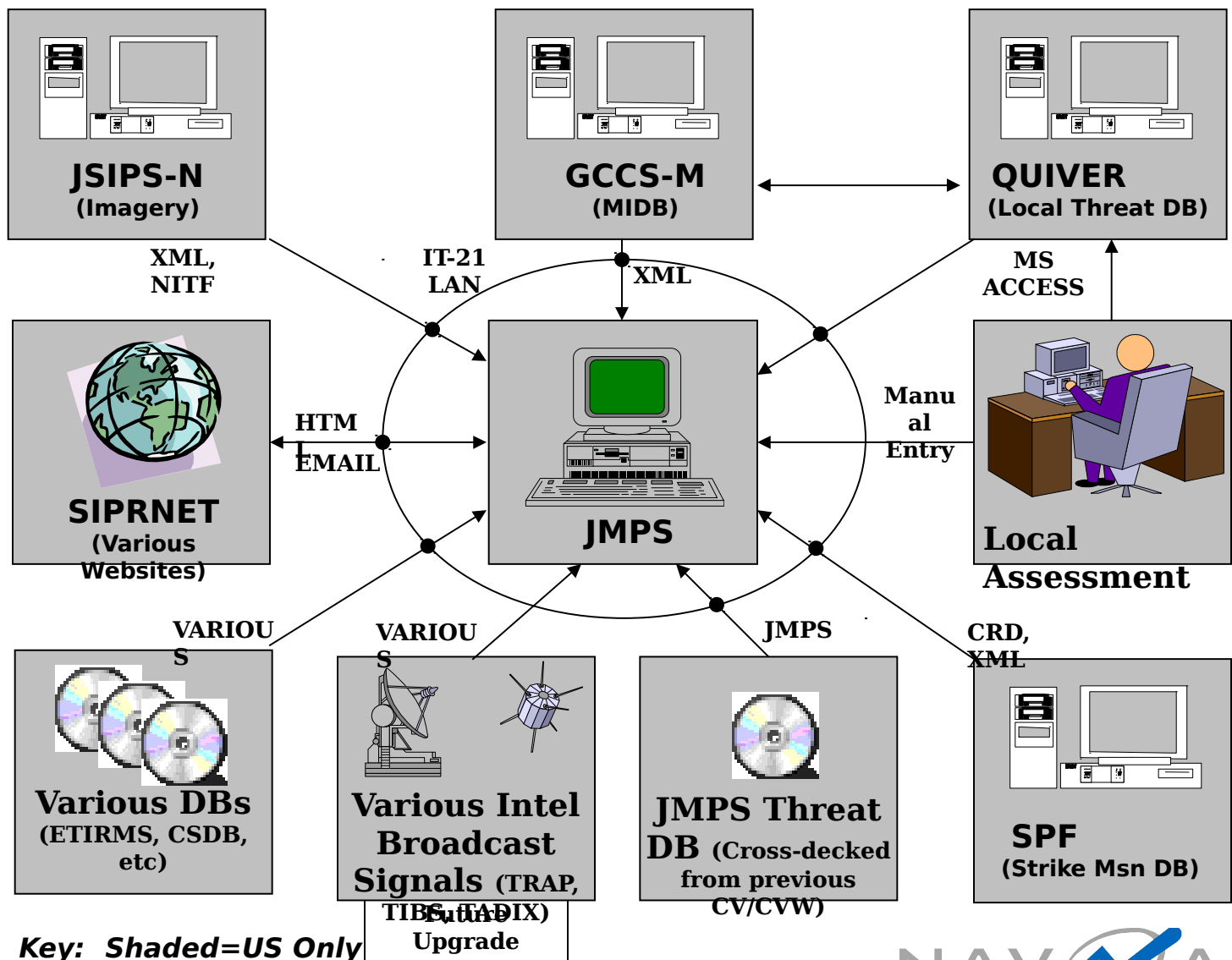


Source Information

- Command, Control, Communications, Computers, and Intelligence Support Plan (C4ISP) Version 2.3 (Draft) 20020702
- JMPS Combat 1 System Development Status Review 20020709
- Phone calls
- Email



JMPS Naval System View (SV1) (Intelligence Data)



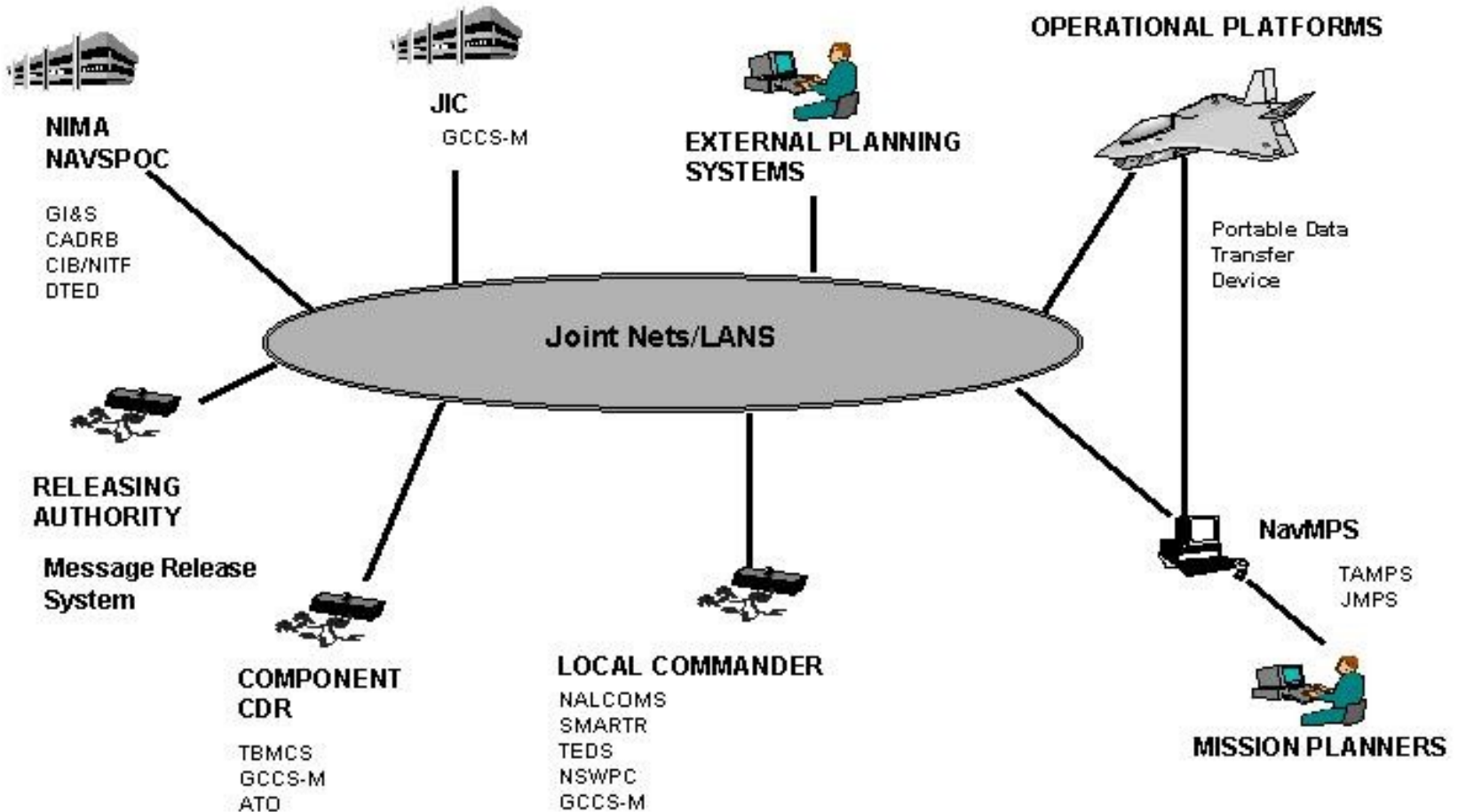


System Summary

Capability	System/Data	Method	Available	POC	Notes
Collaboration	AFMSS PFPS TAMPS TopScene	Floppy	JV1 B5.1?		CRD Interface
Collaboration	SPF	SIPRN ET	JC1 0.1	Rick Rohr, 858.592.5787 Rick.rohr@baesystems.com	Browser w/JAVA Interface
Imagery	PTW Imagery Server	SIPRN ET	JC1 0.1	Rick Rohr, 858.592.5787 Rick.rohr@baesystems.com	Test Driver Required 4.1.1 (Oct 03) - XML
Intelligence/ C&P	IMOM/C&P	SIPRN ET	JV1 B5	Stephen Allen, 310.831.0611 x2457 stephen.allen@northropgrum man.com	
Intelligence/ OB	GCCS- M/MIDB Quiver REDS	SIPRN ET	JV1 B5 ? ?	Stephen Allen, 310.831.0611 x2457 stephen.allen@northropgrum man.com	Installed
GPS Almanac	NAVSSI	SIPRN ET	JC1 0.1		
Other	DBDB-V	CD	JV1 B5		Imported - how used?

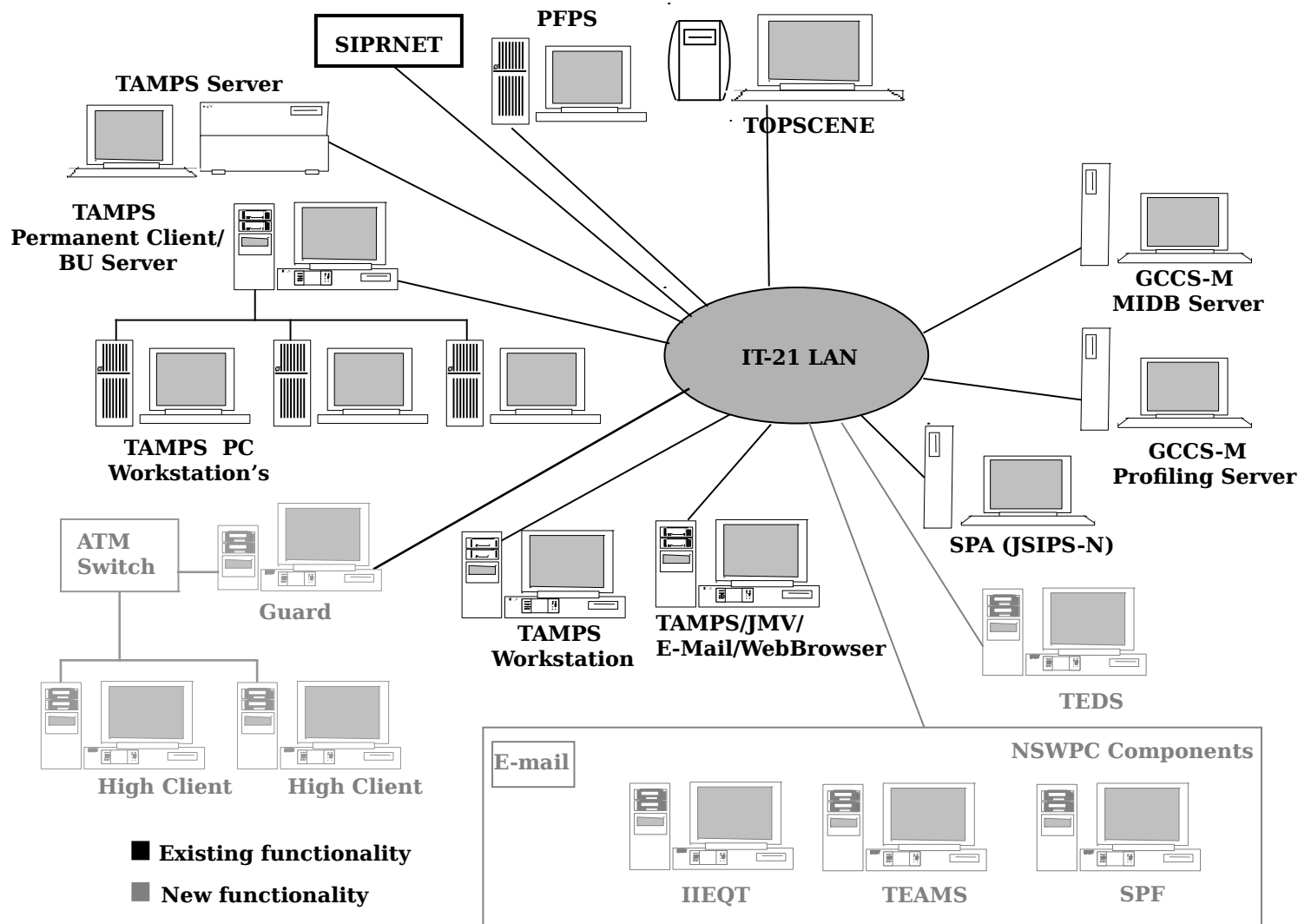


JMPS-M ORD Operational View (OV-1)



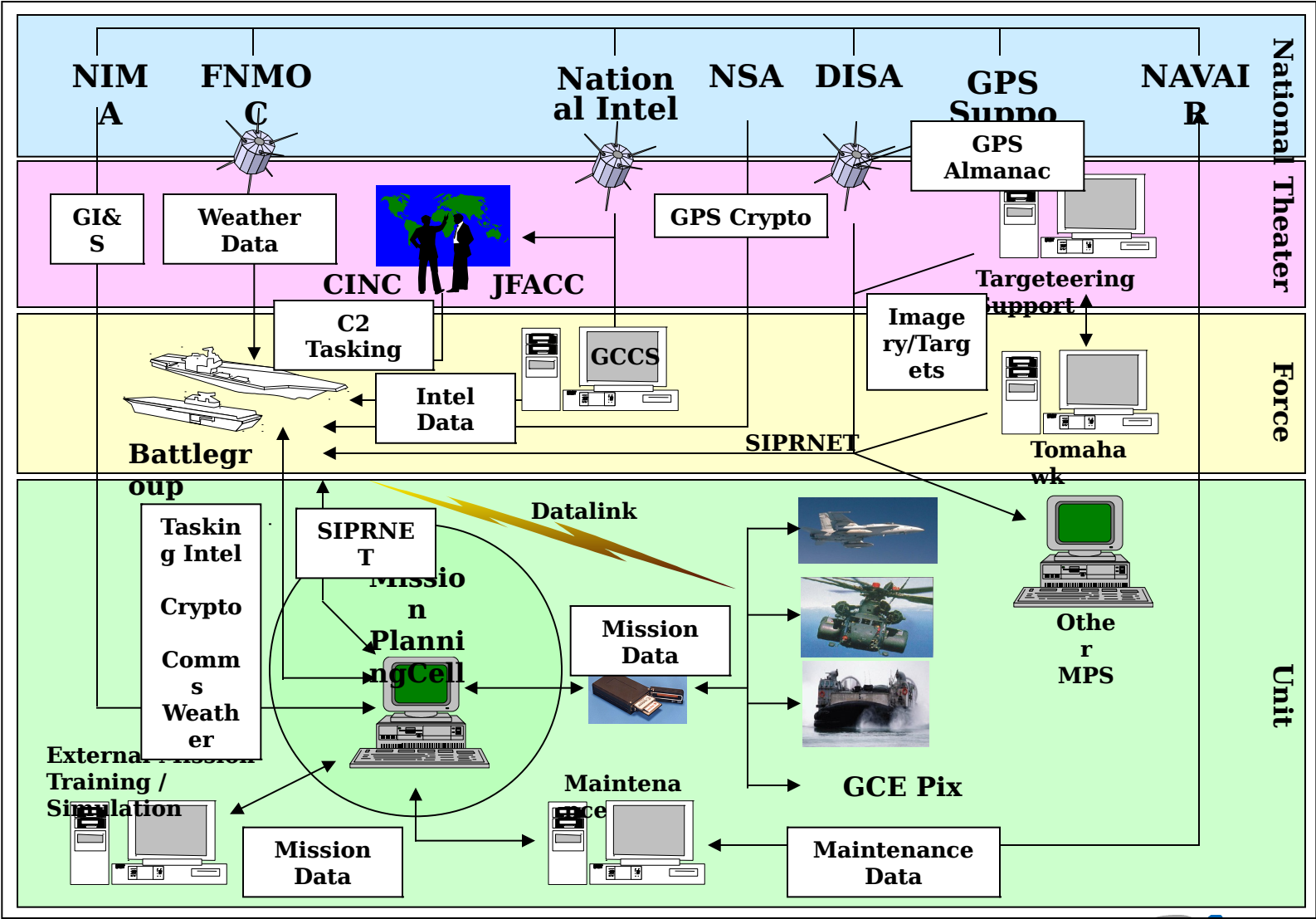


Systems of Systems Connectivity



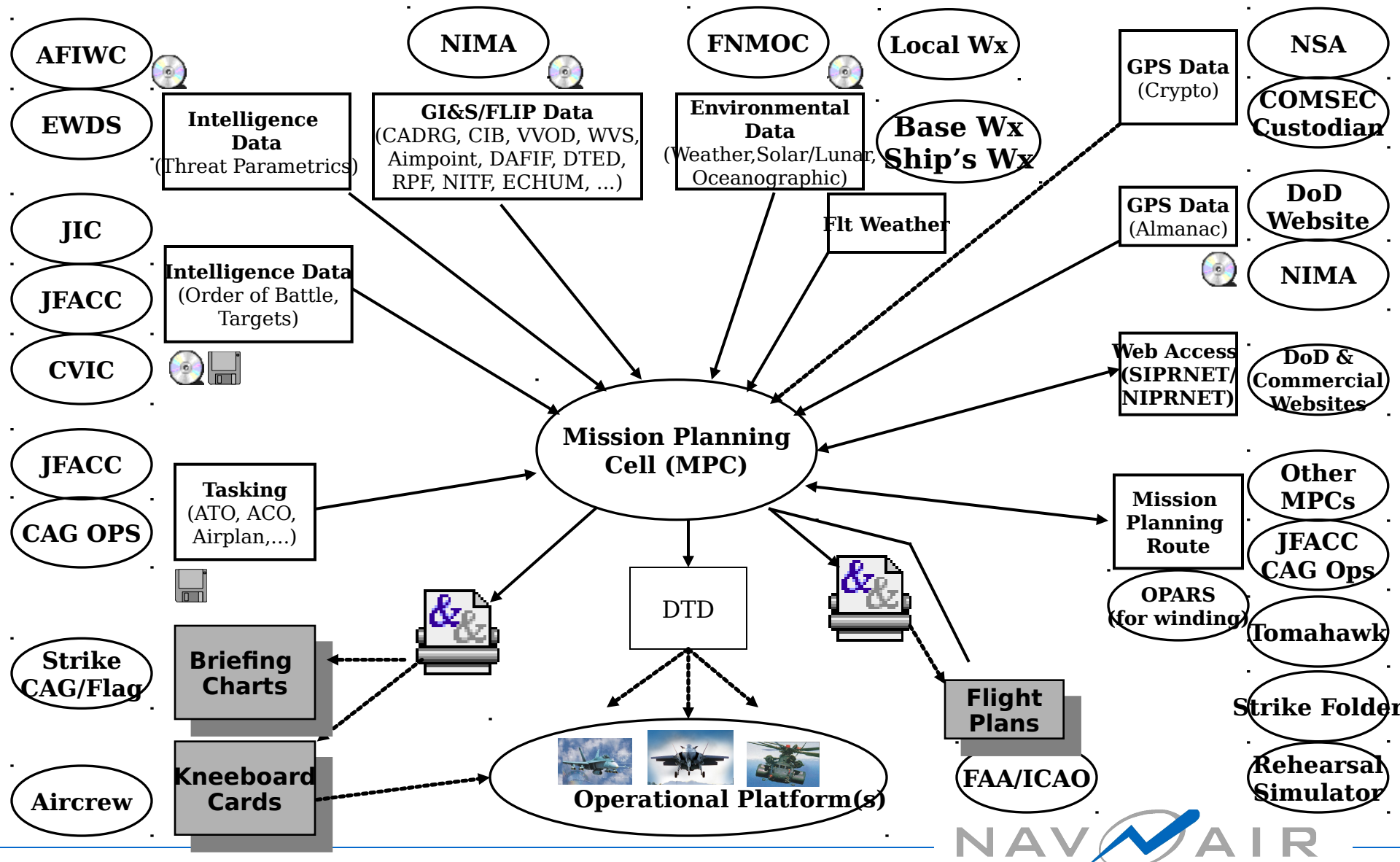


JMPS Naval Operational Nodes (OV2)





JMPS Naval Operational Nodes (OV2)





JMPS-M Operational IER Matrix (OV-3)

UJTL	Event/Action	Info Characterization	Sending Node	Receiving Node	Critical	Format	Timeliness ⁽¹⁾	Classification
TA 5.5 NTA 5.4	Direct and Lead Subordinates	C2-Mission Tasking	Component Commander	Naval Mission Planning System (NavMPS)	No	Text, Data	≤ 2 hrs/10 mins	S
TA 5.5 NTA 5.4 NTA 5.1.1.1.1	Direct and Lead Subordinates	C2-Mission Tasking	NavMPS	Operational Platform	No	Data	≤ 5 mins/1 min	S
TA 5.1 NTA 5.1.1	Acquire and Communicate Information	Logistics-Platform and Expendable Resources Available	Local Commander	NavMPS	No	Data	≤ 2 hrs/10 mins	S
TA 5.1 NTA 5.1.1.1.2	Acquire and Communicate Information	C2-Frequency Utilization	Component Commander	NavMPS	No	Data	≤ 2 hrs/10 mins	S
TA 5.1	Acquire and Communicate Information	Other-Meteorology Planning Data	Local Commander	NavMPS	No	Data, Imagery	≤ 2 hrs/15 mins	U
TA 5.1	Acquire and Communicate Information	Other-Oceanographic Planning Data "Update"	Local Commander	NavMPS	No	Data, Imagery	≤ 2 hrs/15 mins	U
TA 2.2 NTA 2.2	Obtain and Access Intelligence Information	Other-Geospatial Information and Services (GI&S) Planning Data	NIMA, NAVSPOC	NavMPS	No	Data, Imagery	≤ 1 hr/15 mins	U
TA 2.2 NTA 2.2	Obtain and Access Intelligence Information	Threat-Threat Order of Battle	J IC, Local Commander	NavMPS	No	Data	≤ 30 mins/5 mins	S
TA 2.2 NTA 2.2	Obtain and Access Intelligence Information	Situational Awareness-Neutral Order of Battle	J IC, Local Commander	NavMPS	No	Data	≤ 30 mins/5 mins	S
TA 2.2 NTA 2.2	Obtain and Access Intelligence Information	Situational Awareness-Own Force Order of Battle	J IC, Local Commander	NavMPS	No	Data	≤ 30 mins/5 mins	S
TA 2.2 NTA 2.2	Obtain and Access Intelligence Information	Threat-Mission Objective Intelligence (e.g. characteristics and performance databases)	J IC, Local Commander	NavMPS	No	Data	≤ 10 mins	S
TA 3.2 NTA 3.2	Engage Targets - MPS Query iaw J SOW unitary or SLAM mission tasking	Targeting-Mission Objective Imagery	Local Commander	NavMPS	Yes (critical for J SOW unitary or SLAM mission)	Data, Imagery	≤ 10 mins	S



JMPS-M Operational IER Matrix (OV-3)

UJ TL	Event/Action	Info Characterization	Sending Node	Receiving Node	Critical	Format	Timeliness ⁽¹⁾	Classification
TA 5.5.1 NTA 5.4.3	Conduct Joint Force Link-up Operations	Other-Collaboration with External Planning Systems	External Planning Systems	NavMPS	No	Data, Graphics	≤ 2 hrs/10 mins	S
TA 5.5.1 NTA 5.4.3	Conduct Joint Force Link-up Operations	Other-Collaboration with remote NavMPS planners	External Planning Systems	NavMPS	No	Data, Graphics	≤ 2 hrs/30 mins	S
NTA 3.2	Engage Targets	Other-Weapon System	NavMPS	Mission planner	Yes	Data	≤ 6 mins/1 min	S
TA 5.1	Acquire and Communicate Information	Other-Weapon System Data Loads (Does not include theatre map data loads)	Mission planner	NavMPS	No	Data	≤ 6 mins/1 min	S
TA 5.1	Acquire and Communicate Information	Other-Post-Mission Reports	NavMPS	Releasing Authority	No	Text, Data, Imagery	≤ 2 hrs/5 mins	S



Acronyms

ACO	Airspace Control Order	CINC	Commander-In-Chief
AFIWC	Air Force Information Warfare Center	COMSEC	Communications Security
AFMSS	Air Force Mission Support System	CRD	Common Route Definition
ATM	Asynchronous Transfer Mode	CSDB	Combat Support Database
ATO	Air Tasking Order	CV	Carrier
C&P	Characteristics and Performance	CVIC	Aircraft Carrier Intelligence Center
C2	Command and Control	CVW	Carrier Air Wing
C4ISP	Command, Control, Communications, Computers, and Intelligence Support Plan	DAFIF	Digital Aeronautical Flight Information Files
CADRG	Compressed ARC Digitized Raster Graphics	DB	Database
CAG	Commander Air Group	DBDB-V	Digital Bathymetric Database-V
CAP	Crisis Action Planning	DISA	Defense Information Systems Agency
CD	Compact Disk	DoD	Department of Defense
CDR	Commander	DTD	Digital Transfer Device
CIB	Controlled Image Base	DTED	Digital Terrain Elevation Data



Acronyms

ECHUM	Electronic Chart Update Methodology	IT-21	Information Technology for the 21st Century
ETIRMS		JC1	JMPS Combat 1
EWDS	Electronic Warfare Database Support	JFACC	Joint Forces Air Component Commander
FAA	Federal Aviation Administration	JIC	Joint Intelligence Center
FLIP	Flight Information Publication	JMPS	Joint Mission Planning System
FNMOC	Fleet Numerical Meteorology and Oceanography Center	JMV	
GCCS-M	Global Command and Control System-Maritime	JSIPS-N	Joint Service Imagery Processing System - Navy
GCE	Ground Combat Element	JV1	JMPS Version 1
GI&S	Geospatial Information and Services	LAN	Local Area Network
GPS	Global Positioning System	METCAST	
HTML	Hypertext Markup Language	MIDB	Modernized Integrated Database
ICAO	International Civil Aviation Organization	MPC	Mission Planning Cell
IER	Intelligence Exchange Requirement	MPS	Mission Planning System
IIEQT		NALCOMI S	Naval Aviation Logistics Computer Operated Maintenance Information System
IMOM	Integrated (Improved) Many-On-Many	NAVAIR	Naval Air Systems Command



Acronyms

NavMPS	Naval Mission Planning System	SIPRNET	Secret Internet Protocol Router Network
NAVSPOC	Naval Space Operations Center	SMARTR	
NAVSSI	Navigation Sensor System Interface	SPA	Strike Planning Archive
NIMA	National Imagery and Mapping Agency	SPF	Strike Planning Folder
NIPRNET	Non-secure Internet Protocol Router Network	TADIX	Tactical Data (Digital) Information Exchange System
NITF	National Imagery Transmission Format	TAMPS	Tactical Automated Mission Planning System
NSA	National Security Agency	TBMCS	Theater Battle Management Core System
NSWPC	Naval Strike Warfare Planning Center	TEAMS	Tactical EA-6B Mission Support System
OPARS	Optimum Path Aircraft Routing System	TEDS	Tactical Environment Display System
OPS	Operations	TIBS	Tactical Information Broadcast Service
PC	Personal Computer	TRAP	Tactical Related Applications Broadcast
PFPS	Portable Flight Planning System	VVOD	Vector Vertical Obstruction Data
PTW	Precision Targeting Workstation	WVS	World Vector Shoreline
Quiver		WX	Weather
REDS	Rapid Execution and Decision Support	XML	Extendable Markup Language
RPF	Raster Product Format		